

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (Currently Amended): Method of dividing a guided electromagnetic signal ~~into two half-power signals using photonic crystals wherein it is based on~~ comprising the step of exciting a coupler made by ~~disposing~~ two parallel coupled cavity waveguides close to one another, implemented in ~~a photonic crystals~~ crystal, in which the two coupled cavity waveguides ~~guides~~ are physically separated without any cavities provided between said cavity waveguides and can be suitably curved, the method dividing a guided electromagnetic input signal into ~~to extract the two~~ output half-power signals, ~~output signals that cover~~ travel the same physical path ~~and so there is no~~ without delay between the two.

Claim 2 (Currently Amended): Method of dividing a guided electromagnetic signal ~~into two half-power signals using photonic crystals~~ according to Claim 1, wherein it is based on exciting the odd mode of the coupler obtaining at the output two signals with a 180° phase difference.

Claim 3 (Currently Amended): Method of dividing a guided electromagnetic signal ~~into two half-power signals using photonic crystals~~ according to Claim 1, wherein it is based on exciting the even mode of the coupler to produce half-power signals with  $0^\circ$  phase difference.

Claim 4 (Currently Amended): Method of dividing a guided electromagnetic signal ~~into two half-power signals using photonic crystals~~ according to Claim 1, wherein it can use any type of 2D crystal.

Claim 5 (Currently Amended): Method of dividing a guided electromagnetic signal ~~into two half-power signals using photonic crystals~~ according to Claim 1, wherein it can use any type of 3D crystal.

Claim 6 (Currently Amended): Method of dividing a guided electromagnetic signal ~~into two half-power signals using photonic crystals~~ according to Claim 1, wherein it is for application in a photonic crystal with a triangular lattice type.

Claim 7 (Currently Amended): Method of dividing a guided electromagnetic signal ~~into two half-power signals using photonic crystals~~ according to Claim 1, wherein it is for application in a photonic crystal with a square lattice type.